

## Patent Claims

- 5 1. Tumour-associated antigen designated B345,  
characterised in that it has the amino acid  
sequence defined in SEQ ID NO: 4 or contains this  
as part of its sequence, or a fragment thereof.
- 10 2. Isolated DNA molecule, coding for the tumour-  
associated antigen defined in claim 1 or for  
fragments thereof.
- 15 3. DNA molecule according to claim 2, characterised  
in that it is a polynucleotide with the sequence  
shown in SEQ ID NO: 3 or contains this sequence,  
or in that it is or contains a polynucleotide  
which hybridises under stringent conditions with a  
polynucleotide of the sequence shown in SEQ ID NO:  
3, or a fragment thereof.
- 20 4. Recombinant DNA molecule, containing a DNA  
molecule according to claim 2 or 3.
5. Pharmaceutical composition for cancer  
immunotherapy, containing as active ingredient the  
tumour-associated antigen designated B345 defined  
in claim 1 or one or more fragments thereof.

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6. Pharmaceutical composition for cancer immunotherapy, containing as active ingredient a DNA molecule according to one of claims 2 to 4.
7. Antibody against the polypeptide defined in claim 1.  
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8. Antibody according to claim 7, characterised in that it is monoclonal.
9. Antibody according to claim 7 or 8 for the treatment and diagnosis of cancers associated with the expression of B345.  
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